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Field Service Procedure

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Cleaning of COSY II APL Valve

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Cleaning of COSY II APL Valve

Cleaning Procedure

Preparing the Breathing System:

1. Set machine power switch to Off (⏻).
2. Remove the APL valve from the breathing system by loosening its retaining ring.
3. Using a clean ceramic valve disc P/N 2123249 or M23225, place the ceramic valve disc on the APL valve seat located on the breathing system.
4. Using two (2) fingers on the center of the valve disc, apply sufficient pressure on the valve disc and slide valve disc in a circular motion on the APL valve seat until a shiny ring appears on the APL valve seat.

NOTE: The valve disc must remain flat on the APL valve seat while performing the circular “buffing” motion. Do not tilt valve disc or apply uneven pressure.

5. Check the valve seat. Repeat Step 4 until a shiny ring appears as shown in Figure 2.



FIGURE 1. Valve Seat Before Cleaning

6. Remove valve disc from the APL valve seat.

7. Using an alcohol prep pad or equivalent, clean the APL valve seat to remove any residue.
8. Inspect the APL valve for moisture. If moisture is present, continue to the next step. If moisture is not present, proceed to Step 10.
9. Using a cotton swab or equivalent, dry the APL valve’s conical seat and area inside the APL valve housing.

NOTE: Do not attempt to disassemble APL valve to perform the drying procedure.

10. Reinstall APL valve on the breathing system.

Performance Tests:

11. Set the machine to the On (⊙) position, and perform the PMS test steps outlined in the following sections of the Fabius GS Service Manual:
 - 7.9.3 Breathing System Leak
 - 7.9.4 APL Valve Verification

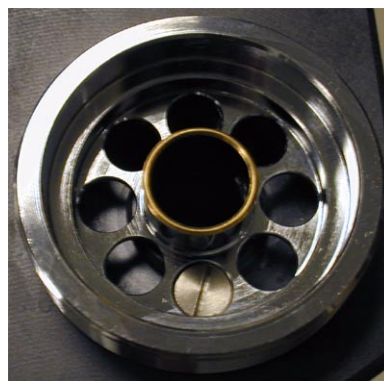


FIGURE 2. Valve Seat After Cleaning

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